



#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

#### (19) World Intellectual Property Organization International Bureau



# 

### (43) International Publication Date 15 February 2001 (15.02.2001)

## PCT

# (10) International Publication Number WO 01/10432 A1

- (51) International Patent Classification7: A61K 31/13, 31/195
- (21) International Application Number:
- (22) International Filing Date: 10 August 2000 (10.08.2000)
- (25) Filing Language:

English

(26) Publication Language:

**English** 

(30) Priority Data:

60/148,159

10 August 1999 (10.08.1999) US

- (71) Applicant (for all designated States except US): UAB RE-SEARCH FOUNDATION [US/US]; AB1120G, 1530 3rd Avenue South, Birmingham, AL 35294-0111 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MEYTHALER, Jay, M. [US/US]; 1811 Catala Road, Birmingham, AL 35216 (US). PEDUZZI, Jean [US/US]; 95 County Road 735, Clanton, AL 35046 (US).

- (74) Agents: COGEN, Ellen, S. et al.; Gifford, Krass, Groh, Sprinkle, Anderson & Citkowsski, P.C., 280 N. Old Woodward Ave., Ste. 400, Birmingham, MI 48009 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

#### Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF GABA AGONISTS FOR TREATMENT OF SPASTIC DISORDERS, CONVULSIONS, AND EPILEPSY

(57) Abstract: According to the subject invention, there is disclosed a method for treating a patient/subject having a spastic disorder, a convulsive disorder, pain or epilepsy which includes administering to the subject having any one of these conditions a therapeutically effective amount of the compound gamma-aminobutyramide, analogs, substituted forms, derivatives, the pharmaceutically acceptable salts, esters, amides, and prodrugs thereof, or compounds which yield gamma-aminobutyramide as an intermediate, a metabolite, or a by-product.

